



Original block
of text.

16 → We would like to deter copying of this document
by embedding an imperceptible watermark that
identifies the original recipient of the document.
If an illicit copy is later found, the watermark can
be read from the document to determine its source.
At that point appropriate action can be taken to
to determine how the document was leaked.

← 10

12 → Exaggerated
shifts in the
text block of
~0.07". This is
10 times what
a typical value
would be.

18 → 16 → We would like to deter copying of this document
by embedding an imperceptible watermark that
identifies the original recipient of the document.
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be read from the document to determine its source.
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to determine how the document was leaked.

unshifted - control line
shifted right - 1 bit
shifted left - 0 bit
shifted left - 0 bit
shifted right - 1 bit
shifted left - 0 bit
unshifted - control line

Typical shifts
of ~0.007" in
the text block.

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be read from the document to determine its source.
At that point appropriate action can be taken to
18 → to determine how the document was leaked.

← 14

Figure 1

10080567-041002

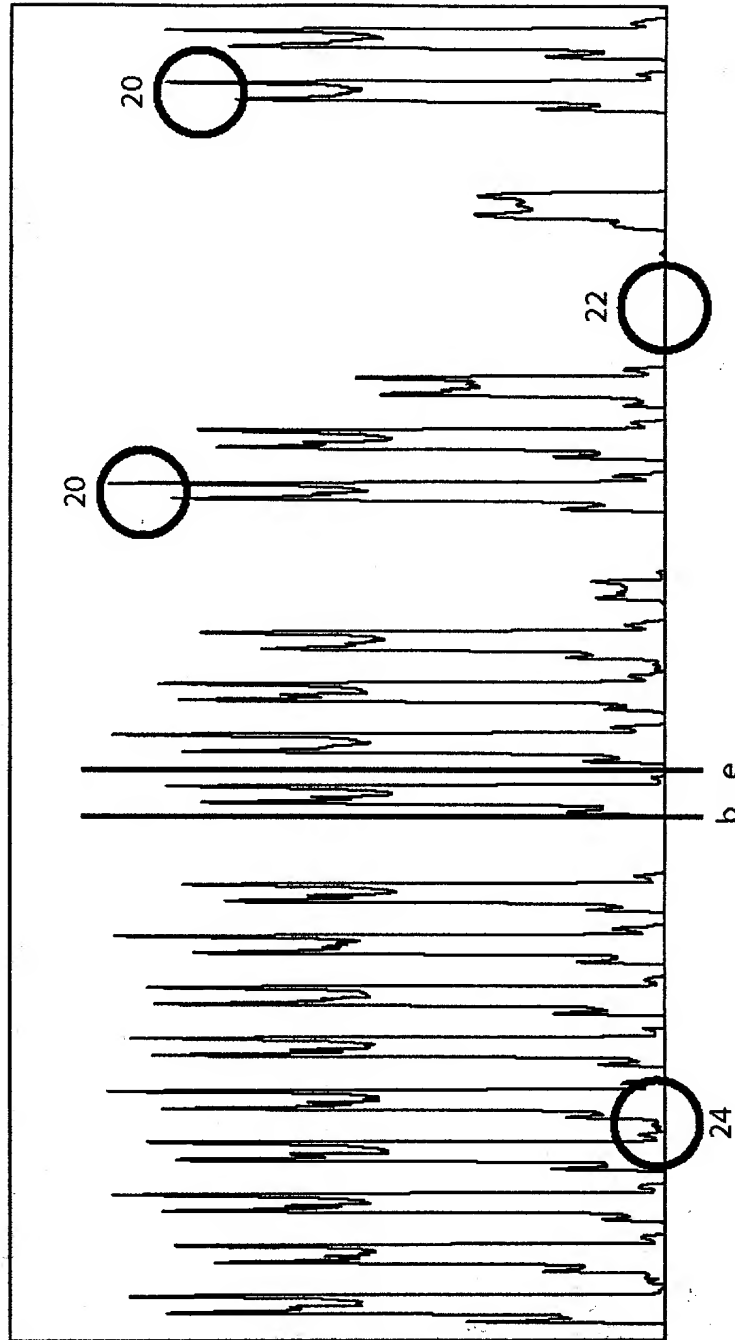


Figure 2

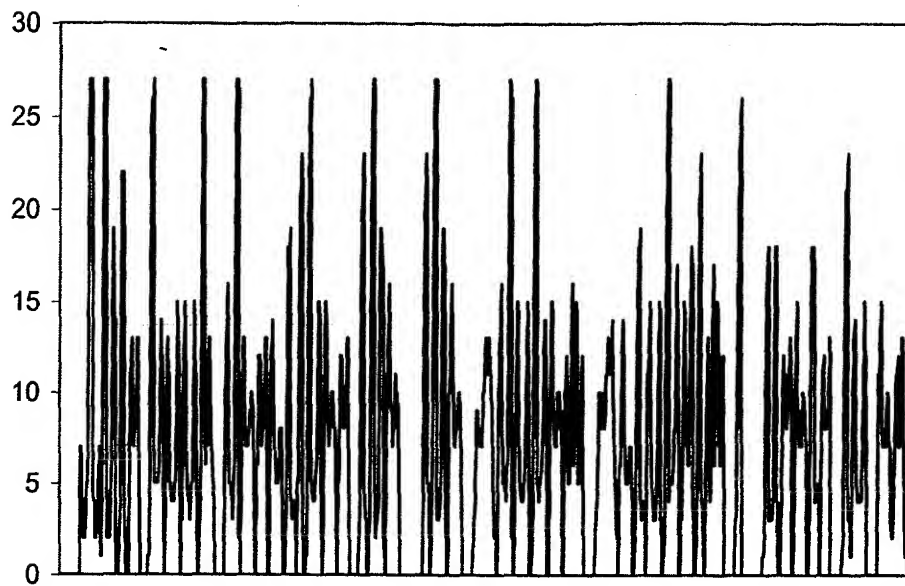


Figure 3

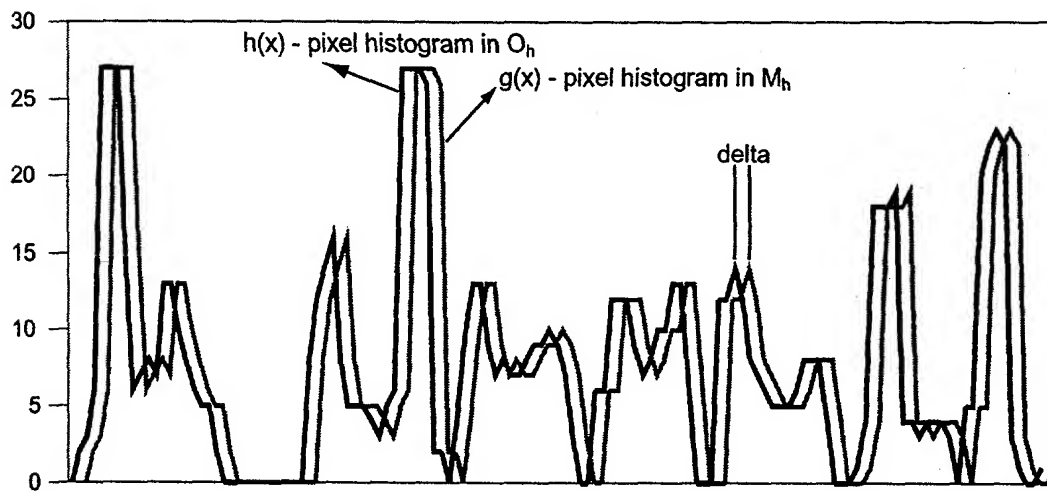


Figure 4

2004-04-01 04:10:02